CLAIMS

The embodiments of the invention in which an exclusive property or privilege is claimed are defined as follows:

1.   A mixture of primary alcohols comprising:

1-eicosanol	C-20	0-5 %
1-docosanol	C-22	0-5 %
1-tetracosanol	C-24	12-30 %
1-hexacosanol	C-26	12-28 %
1-heptacosanol	C-27	0-5 %
1-octacosanol	C-28	12-25 %
1-triacontanol	C-30	20-40 %
1-dotriacontanol	C-32	5-15 %
1-tetratriacontanol	C-34	0-5%.

2.   The mixture of claim 1 wherein said mixture of said aliphatic alcohols are micronized.

3.   A pharmaceutical composition comprising the mixture of claim 1 in combination with a pharmaceutically acceptable carrier, excipient or dilutant.

4.   The pharmaceutical composition of claim 3 in the form of a capsule, tablet, liquid or powder.

5.   A method for treating or preventing hypercholesterolemia related diseases, comprising administering a pharmaceutically effective amount of the mixture of claim 1 to a human or mammal.

6.   A method for reducing total cholesterol and LDL-cholesterol and increasing HDL-cholesterol levels comprising administering a pharmaceutically effective amount of the mixture according to claim 1 to a human or mammal.

7.   A method for lowering LDL-cholesterol, total cholesterol, increasing HDL-cholesterol and improving LDL-cholesterol/HDL-cholesterol ratio comprising administering the mixture of claim 1 in a pharmaceutically acceptable amount to an individual in need thereof.

8.   A mixture of primary alcohols comprising:

1-eicosanol	C-20	0-5 %
1-docosanol	C-22	0-5 %

1-tetracosanol	C-24	12-30 %
1-hexacosanol	C-26	13-30 %
1-heptacosanol	C-27	0-5 %
1-octacosanol	C-28	12-25 %
1-triacontanol	C-30	20-40 %
1-dotriacontanol	C-32	5-15 %
1-tetratriacontanol	C-34	0-5 %

wherein said mixture is isolated from a mixture of aliphatic alcohols and non-alcoholic compounds by a method comprising subjecting a starting material containing primary aliphatic alcohols to liquid extraction with a liquid organic extractant in which said alcohols are soluble; and recovering said alcohol mixture from said extractant, whereby said alcohol mixture is isolated from said non-alcoholic compounds contained in said starting material.

9.   The mixture of claim 8 wherein said liquid organic extractant is selected from the group comprising: acetone, toluene, benzene, ethanol, heptane, hexane, pentanone, methanol, propanol, isopropanol, ethyl acetate, diethyl ether, trichloroethane, methyl ethyl ketone, n-butanol, 1,2-dichloroethane, dichloromethane, chloroform and mixtures thereof; and said isolated alcohol mixture has a purity level of 80-99% with respect to said non-alcoholic compounds contained in said starting material.

10.   The mixture of claim 8 wherein said starting material is selected from the group consisting of waxes, beeswax, carnauba wax, candellia wax, bee pollen, oil, peanut oil, sesame oil, cod liver oil, rice bran oil, oat oil, rosemary needle oil, powders, and rice bran.

11.   The mixture of claim 8, wherein said isolated alcohol mixture has a purity level of 80-99% aliphatic alcohols with respect to said non-alcoholic compounds contained in said starting material.

12.   The mixture of claim 8 wherein said mixture of said aliphatic alcohols are micronized.

13.   A mixture of primary alcohols consisting essentially of:

1-eicosanol	C-20	0-5 %
1-docosanol	C-22	0-5 %
1-tetracosanol	C-24	12-30 %
1-hexacosanol	C-26	12-28 %
1-heptacosanol	C-27	0-5 %
1-octacosanol	C-28	12-25 %

1-triacontanol	C-30	20-40 %
1-dotriacontanol	C-32	5-15 %
1-tetratriacontanol	C-34	0-5%.

14.   The mixture of claim 13 wherein said mixture of said aliphatic alcohols are micronized.

15.   A pharmaceutical preparation consisting essentially of a sterile pharmaceutical excipient and a mixture of primary alcohols comprising:

1-eicosanol	C-20	0-5 %
1-docosanol	C-22	0-5 %
1-tetracosanol	C-24	12-30 %
1-hexacosanol	C-26	12-28 %
1-heptacosanol	C-27	0-5 %
1-octacosanol	C-28	12-25 %
1-triacontanol	C-30	20-40 %
1-dotriacontanol	C-32	5-15 %
1-tetratriacontanol	C-34	0-5%.

16.   The pharmaceutical preparation of claim 15 in the form of a capsule, tablet, liquid or powder.